

RESUME



Name: Dr P. Ganesan
Designation: Scientist
Department: Xavier Research Foundation
Address: St. Xavier's College, Palayamkottai-627 002

PERSONAL DETAILS

Date of Birth : 23.07.1992
Qualification : P.hD
Designation : Scientist
Department : Xavier Research Foundation
Community :
Religion : Hindu
Nationality : Indian
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ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D.	Zoology (Entomology)	(Entomology Research Institute,	University of Madras	2019

		Loyola College)		
M.Sc.	Zoology	(Loyola College)	University of Madras	2014
B.Sc.	Zoology	St. Xavier's College	Manonmaniam Sundaranar University	2012
H.S.C	Tamil, English, Physics, Chemistry, Botany, Zoology	State Board	State Board	2009
S.S.L. C	Tamil, English, Maths, Science, Social Science	State Board	State Board	2007

ACADEMIC IDENTITY

*VIDWAN ID	Vidwan-ID : 287795
*ORCID ID	0000-0002-9325-8857
*SCOPUS ID	ID: 57209577064
*RESEARCHER ID/ PUBLONS ID	https://www.researchgate.net/profile/Pathalam_Ganesan?ev=hdr_xpr_f
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=GjLlzEEAAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	01..7.2021
Date of Retirement	
Teaching Experience	UG
	PG
	M.Phil.
Research	Guided M Phil: Guided Ph D: Guiding Ph Scholar:

AREAS OF RESEARCH
Microbiology
Vector Control
Insect Pest Management
Molecular Biology
Entomology

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1.	ICMR	Sanctioned	3 years
2.	SERB	Under Evaluation	3 years
3.	NMPB	Under Evaluation	3 years
4.	DST	Under Evaluation	3 years

BOOK CHAPTERS			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1.	Metabolites from actinobacteria for mosquito control	Actinobacteria	106885

PUBLICATIONS: SCOPUS INDEXED JOURNALS () WEB OF SCIENCE ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Antimicrobial activity of some actinomycetes from Western Ghats of Tamil Nadu, India.	Alexandria journal of medicine (Taylor and Francis)	53(2), 101-110.
2.	Isolation and molecular characterization of actinomycetes with antimicrobial and mosquito larvicidal properties.	Beni-Suef University journal of basic and applied sciences, (Elsevier)	6(2), 209-217.
3.	Effect of compound	Biocatalysis and	15, 210-218.

	isolated from <i>Lawsonia inermis</i> (L.)(Myrtales: Lythraceae) on the immature stages of filarial vector <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae) and its docking analysis with Acetylcholineesterase (AChE1).	Agricultural Biotechnology (Elsevier)	
4.	Larvicidal, ovicidal and repellent activities of <i>Streptomyces enissocaesilis</i> (S12-17) isolated from Western Ghats of Tamil Nadu, India.	J. Entomol. Zool. Stud.,	6(2), 1828-1835.
5.	Effect of compound Musizin isolated from <i>Rhamnus wightii</i> Wight and Arn on the immature stages of filarial vector mosquito <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae) and its non-target studies.	Biocatalysis and agricultural biotechnology, (Elsevier)	16, 37-42.
6.	Biocontrol and non-target effect of fractions and compound isolated from <i>Streptomyces rimosus</i> on the immature stages of filarial vector <i>Culex quinquefasciatus</i> Say (Diptera: Culicidae) and the compound interaction with Acetylcholinesterase (AChE1).	Ecotoxicology and environmental safety, (Elsevier)	161, 120-128. Impact Factor: 7.129
7.	Larvicidal, Ovicidal, and Histopathological Effects of the Sulphur Polypore Mushroom, <i>Laetiporus sulphureus</i>	International Journal of Medicinal Mushrooms (Begell House)	20(12).Impact Factor: 1.921

	(Agaricomycetes), Collected from Tamil Nadu, India against Mosquitoes.		
8.	Mosquito (Diptera: Culicidae) Larvicidal and Ovicidal Properties of Extracts from <i>Streptomyces</i> <i>vinaceusdrappus</i> (S12- 4) Isolated from Soils1.	Journal of Entomological Science, (Bio One)	53(1), 17-26. Impact Factor: 0.582
9.	Larvicidal and pupicidal activities of alizarin isolated from roots of <i>Rubia</i> <i>cordifolia</i> against <i>Culex</i> <i>quinquefasciatus</i> Say and <i>Aedes aegypti</i> (L.) (Diptera: Culicidae).	Neotropical entomology (Springer)	45(4), 441-448. Impact Factor: 1.434
10.	Mesenchymal stem cells (MSC): identification, proliferation and differentiation (PeerJ PrePrints.	No. e148v1.
11.	Comparative studies of tripolyphosphate and glutaraldehyde cross-linked chitosan- botanical pesticide nanoparticles and their agricultural applications.	International journal of biological macromolecules, (Elsevier)	104, 1813-1819. Impact Factor: 8.025
12.	Activity of Some Medicinal Plants Against Phytopathogenic Fungi. International	Journal of Scientific Research in Biological Sciences	5, 124-137. ,.
13.	Mosquitocidal activity of <i>Psathyrella</i> <i>candolleana</i> (Fr.) Maire (Agaricales: Psathyrellaceae) against three vector mosquitoes.	International Journal of Medicinal Mushrooms (Begell House)	21(7):725 – 734. Impact Factor: 1.921
14.	Effect of Tiliamosine, a bis, benzylisoquinoline alkaloid isolated from	Experimental Parasitology (Elsevier)	204, 107719. Impact Factor: 2.132

	Tiliacora acuminata (Lam.) Hook. f. & Thom on the immature stages of filarial mosquito Culex quinquefasciatus Say (Diptera: Culicidae).		
15.	Essential oils from plants: A review on eco-friendly mosquito repellents.	International Journal of Scientific Research in Biological Sciences.	6(4), 68-88.
16.	The down regulation of PTP1B expression and attenuation of disturbed glucose and lipid metabolism using Borassus flabellifer (L) fruit methanol extract in high fat diet and streptozotocin induced diabetic rats.	Saudi Journal of Biological Sciences. (Elsevier)	27, 433-440. Impact Factor: 4.052
17.	Mosquitocidal effects of monoterpene ester and its acetyl derivative from Blumea mollis (D. Don) against Culex quinquefasciatus (Diptera: Culicidae) and their insilico studies.	Experimental Parasitology (Elsevier)	2021. (Equal contribution) Impact Factor: 2.132
18.	Gene expression study of compound (DEHP) treated larvae isolated from the Streptomyces rimosus against the functional genes of Culex quinquefasciatus Say (Diptera: Culicidae).	Utterpradesh journal of Zoology. MB International media and Publishing House.	
19.	Efficacy of Acalypha fruticose (Euphorbiaceae) as mosquito ovicidal, larvicidal, and pubicidal agents against three vector mosquitoes Aedes aegypti L., Culex quinquefasciatus	Uttar pradesh journal of Zoology. MB International media and Publishing House.	

	Asy, and Anopheles stephensi Liston, (Diptera: Culicidae).		
20.	Mosquito larvicidal activity Avacodo (Persea Americana Mill) unripe fruit peel methanolic extract against Aedes aegypti, Culex quinquefasciatus say and Anopheles stephensi.	South African journal of botany (Elsevier)	133, 1-4. Impact Factor: 2.315
21.	Effect of monoterpene ester from Blumea axillaris (Lam.) DC and its acetyl derivative against plant pathogenic fungi and their in silico molecular docking.	Natural Product Research. (Taylor & Francis)	Impact Factor: 2.861
22.	Effect of Begonia malabarica fraction on streptozotocin induced insulinitis and β -cell damage.	International Journal of Botany Studies.	6(5), 1213-1218
23.	The down regulation of PTP1B expression and attenuation of disturbed glucose and lipid metabolism using Borassus flabellifer (L) fruit methanol extract in high fat diet and streptozotocin induced diabetic rats.	Saudi Journal of Biological Sciences (Elsevier)	27(1), 433-440. Impact Factor: 4.219
24.	Phytocompounds for mosquito larvicidal activity and their modes of action: A review.	South African Journal of Botany (Elsevier)	152, 19-49. Impact Factor: 3.111
25.	Biocontrol efficacy of apigenin isolated from Anisomeles indica (L.) Kuntze against immature stages of Culex quinquefasciatus (Say, 1823) and its in silico studies.	Biocatalysis and Agricultural Biotechnology (Elsevier)	102637.

Workshops/internships/seminar/conference/symposium/refreshment course participated

1. Three Days Works Shop on Regenerative Medicine: The Future Crux of the Health Sector (27th -29, June 2013)
2. 3rd National Conference on Lymphatic Filariasis: Elimination 2015-Mission Possible (5th and 6th June 2015)
3. Training Program on Simple Chemicals and Applied Products (15th -19th June 2015)
4. Poster Presentation on Medicinal Plants and Herbal Drugs in Human And Livestock Wealth A Global Prospective (29th -31 January 2016).
5. Regional Workshop on Heavy Metals Analysis Using Atomic Absorption Spectrophotometer. (26th October 2016)
6. National Workshop on Innovation in Water Resources Management in Educational Institutions (24, 25th November 2016)
7. DST-SERB and ICMR Sponsored 5th National Conference on Emerging Trends and New Challenges in Biotechnology-Advances in Free Radicals and Antioxidants (2nd and 3rd, February 2017)
8. Training Program- Analysis by Gas Chromatography (27th -31, March 2017)
9. Symposium on Chemistry and Biology Interface (August 11, 2018)
10. Paper Presented on Insects and Their Environment Friendly Management 1st and 2nd, February 2018)
11. Bee Keeping for Sustainable Income (29th September 2018)
12. National Symposium on Natural Products for Human Health (February 7th and 8th, 2019)
13. National Seminar on Innovations and Solid Waste and Waste Water Management in Educational Institutions-2019
14. National symposium on Insect Diversity and Conservation-2020
15. Sixth National conference on Siddha Medicine for All ages (19th-20th March, 2022)

GENE BANK SUBMISSION NCBI USA

1. Ganesan, P., Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darvin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces galbus* strain DPS-3 Genbank Accession No. KT827083
2. Ganesan, P., Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darvin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain DPS-132 Genbank Accession No. KT827084
3. Ganesan, P., Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darvin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-113 Genbank Accession No. KT827085
4. Ganesan, P., Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darvin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Ochrobactrum pseudogrignonense* strain DPS-103 Genbank Accession No. KT827086
5. Ganesan, P., Saravana Kumar, P., Host Antony David, R., Kinsalin, V.A., Rajiv Gandhi, M., Daniel Reegan, A., Darvin. S., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-119 Genbank Accession No. KT827087
6. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain S12-4 Genbank Accession No. KT827088
7. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-70 Genbank Accession No. KT827089
8. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-9 Genbank Accession No. KT827090
9. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain S12-3 Genbank Accession No. KT827091

10. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-8 Genbank Accession No. KT827092
11. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain KTS-35 Genbank Accession No. KT827093
12. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain S12-18 Genbank Accession No. KT827094
13. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces geysiriensis* strain S12-5 Genbank Accession No. KT827095
14. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain TGH-31-1 Genbank Accession No. KT827096
15. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-98 Genbank Accession No. KT827097
16. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain ERS-22 Genbank Accession No. KT827098
17. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces tendae* strain ERS-23 Genbank Accession No. KT827099
18. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain S12-7 Genbank Accession No. KT8270100

19. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces ghanaensis* strain KFS-24 Genbank Accession No. KT8270101
20. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces bungoensis* strain DPS-114 Genbank Accession No. KT8270102
21. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces plicatus* strain DPS-14 Genbank Accession No. KT8270103
22. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* pus strain S12-8 Genbank Accession No. KT8270104
23. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain S12-17 Genbank Accession No. KT8270105
24. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rimosus* strain FMS-20 Genbank Accession No. KT8270106
25. Ganesan, P., Host Antony David, R., Jackson. A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain DPS-122 Genbank Accession No. KT8270107.
26. Jackson, A., Sivanandhan, S., Ganesan, P., Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces rochei* strain VC34 Genbank Accession No. KT827076
27. Jackson, A., Sivanandhan, S., Ganesan, P., Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces geysiriensis* strain VC148 Genbank Accession No. KT827077

28. Jackson, A., Ganesan, P., Host Antony David, R., Saravana Kumar, P., Kinsalin, V.A., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces enissocaesilis* strain VC83 Genbank Accession No. KT827078
29. Jackson, A., Ganesan, P., Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces vinaceusdrappus* strain VC83 Genbank Accession No. KT827079
30. Jackson, A., Ganesan, P., Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces leuwenhoekii* strain VC160 Genbank Accession No. KT827080
31. Jackson, A., Ganesan, P., Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Streptomyces plicatus* strain VC27 Genbank Accession No. KT827081
32. Jackson, A., Ganesan, P., Host Antony David, R., Gabriel Paulraj, M and Ignacimuthu, S. 2015. *Amycolatopsis rifamycinica* strain VC183 Genbank Accession No. KT827082

Date:

Dr P. Ganesan